

INFORMATION RESOURCE CENTER
PART 50 DISKETTE USER'S HANDBOOK

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SECTION 1. GENERAL INFORMATION

1.1 Purpose of the Handbook

The objective of this handbook is to provide a synopsis of the data available to the general public concerning mining Address/Employment and Accident/Injury information collected under Title 30 Code of Federal Regulations, Part 50 and to give the detailed specifications needed by the computer system analysts and programmers to utilize the file(s).

1.2 Use of the Handbook

This handbook is divided into the following sections:

- a. General Information - An overview of the data available and the procedures to acquire the diskette(s).
- b. Detail File Descriptions - Record layout for each file and a description of the data elements.
- c. Data Element Codes and Descriptions - A detail description of possible values for certain data elements.

Any figures pertaining to a section will be at the end of each section. Some figures may therefore be duplicated from section to section.

1.3 Data Abstracts

The Directorate of Program Evaluation and Information Resources (PEIR), Injury and Employment Information Office (IEIO) located in Denver, Colorado is responsible for the Mine Safety and Health Administration's (MSHA) collection, utilization and dissemination of mining information relating to accident, injury, occupational illness, and employment. As a part of this responsibility, these files are available from MSHA's Home Page on the Internet as well as on diskette upon request.

Except for the Master Index File (MIF), five calendar years of data are available. For the current calendar year preliminary quarterly data files may be obtained. For prior year information, the final closed-out data is the only available.

IEIO data files are separated by Coal and Metal/Nonmetal. The Metal/Nonmetal file contains all non-coal commodities under MSHA jurisdiction i.e., most stone, sand and gravel, metal and nonmetal mines. Information on the 1982 Metal/Nonmetal file is considered incomplete relative to other year's data for those operations exempted from MSHA jurisdiction under H.J. Resolution 370 consisting primarily of surface stone and sand and gravel. The following sections contain summaries of each major type of data file. See Figure 1.1 for a chart of the available files.

1.3.1 Address/Employment Files

These files contain the Part 50 mailing address of the mine operator, the quarterly employment and production (coal only) reported by operational subunits, and other information needed to identify the location, status and type of operation.

In 1983 contractors were permitted to report employment on a nation-wide basis within Coal or Metal/Nonmetal. Two quarterly employment and production reports are required from a contractor working in both categories. Beginning in 1983 contractor information is only available on a separate file.

1.3.2 Accident/Injury Files

These files contain coded information pertaining to each accident, illness, or injury reported to IEIO. Contractor information was separated from mine information in 1983, because of employment reporting changes.

1.3.3 Narrative Files

These files contain only those narratives associated with specific accidents/injuries for a particular year. Contractor information was separated from mine information in 1983, because of employment reporting changes.

1.3.4 Master Index File (MIF)

The Master Index File (MIF) contains all mine IDs issued by IEIO for mines active or opened since 1971. This information is updated monthly.

1.4 Data File Procurement

These files are available either from the Internet or on 3.5 inch diskettes in a compressed format. Section 1.4.3 gives a detail description.

1.4.1 Ordering Procedures

Data files may be ordered by telephone or letter.

To order by telephone:

Commercial or FTS: (303) 231-5449

To order by mail, send a letter to:

Chief, Office of Injury and Employment Information
MSHA/IEIO

P.O. Box 25367

Denver, CO 80225 - 0367

Please include a telephone number where the requestor may be reached.

1.4.2 Cost and Billing

Figure 1.2 contains the charges for the diskette and documentation.

As in the past, some requestors may have the fee waived in the interest of the public as outlined in section 70.41 of 29CFR.

1.4.3 Diskette Information

Diskette files provided will have the following fixed characteristics:

3.5 inch IBM formatted diskette; some files will span multiple diskettes

Each diskette data file is in a compressed mode. To expand all files that are contained on one diskette into a MS-DOS ASCII text file, use the following procedure:

- a. Insert the 3.5 inch diskette into the appropriate drive.
- b. Copy (either using MS-DOS COPY command or other utility that is available) the filename (XXXXXXXX.EXE where XXXXXXXX is the specific file name) specified on the diskette label to a drive that has the capacity to hold the expanded file plus the compressed file. Listed below is an estimate of the amount of disk space needed for each type of file.
- c. The XXXXXXXX.EXE file is a self-extracting file. To restore the original MS-DOS ASCII text file, enter the name of the .EXE file. For example if the name on the diskette label is CAIM924.EXE, enter CAIM924 at the MS-DOS prompt.
- d. The documentation accompanying the diskette will contain information on the number of records that should be on the expanded file.

To expand any file that spans more than one diskette, use the following procedure:

- a. Insert the 3.5 inch diskette labeled YYYYYYYY.1 (for example MIF.1 or CADEM895.1) into the appropriate drive.
- b. Copy YYYYYYYY.1 (using MS-DOS COPY command or an available utility) to a drive that has the capacity to hold the expanded file plus YYYYYYYY.1, YYYYYYYY.2, YYYYYYYY.3, etc and YYYYYYYY.EXE. Listed below is an estimate of the amount of disk space needed for each type of file.

Repeat steps a. and b. for YYYYYYYY.2, YYYYYYYY.3, etc.

- c. The following MS-DOS COPY command can be used to create a self extracting .EXE file:

```
COPY YYYYYYYY.1/B+YYYYYYY.2+YYYYYYY.3 YYYYYYYY.EXE
```

The above COPY command would combine three files into the .EXE file. To combine two files into the .EXE files, the following COPY would be used:

```
COPY YYYYYYYY.1/B+YYYYYYY.2 YYYYYYYY.EXE
```

- d. The YYYYYYYY.EXE file is a self-extracting file. To restore the original MS-DOS ASCII text file, enter the name of the .EXE file.
- e. The documentation accompanying the diskette will contain information on the number of records that should be on the expanded file.

The following is an estimate of disk space needed for the expanded files using the maximum size from 1988 through 1991 4th quarter data:

	Megabytes
Address/Employment	
Coal Mines	6.0
Metal/Nonmetal Mines	10.5
Coal Contractor	12.5
Metal/Nonmetal Contractor	8.0
Accident/Injury	
Coal Mines	4.0
Metal/Nonmetal Mines	3.5
Coal Contractor	*
Metal/Nonmetal Contractor	*
Narrative	
Coal Mines	8.0
Metal/Nonmetal Mines	7.0
Coal Contractor	*
Metal/Nonmetal Contractor	*
Master Index File (MIF)	15.5
* Less than 1 megabyte	

Length of records:

876 characters for mine address/employment files
1,586 characters for contractor address/employment files
255 characters for accident/injury files
402 characters for narrative files
176 characters for MIF

LISTING OF AVAILABLE FILES

Address/Employment

- * Coal Mines
- * Metal/Nonmetal Mines
- Coal Contractor
- Metal/Nonmetal Contractor

Accident/Injury

- * Coal Mines
- * Metal/Nonmetal Mines
- Coal Contractor
- Metal/Nonmetal Contractor

Narrative

- * Coal Mines
- * Metal/Nonmetal Mines
- Coal Contractor
- Metal/Nonmetal Contractor

Master Index File (MIF)

* Files prior to 1983 also contain contractor information.

PART 50 DISKETTE COSTS

	<u>Cost</u>
One (1) File on Diskette:	\$25.00
Documentation:	
Complete Handbook minus Attachment 1 and FIPS Codes/Names	\$11.10
Complete Handbook including Attachment 1 minus FIPS Codes/Names	\$21.30
Complete Handbook including Attachment 1 and FIPS Codes/Names	\$27.75
FIPS Codes/Names	\$6.45
Attachment 1	\$10.20

Figure 1.2

SECTION 2. ADDRESS/EMPLOYMENT FILES

2.1 Mine Address/Employment

Files containing Mine Address/Employment information are a fixed length of 876 characters per record. This data is written sequentially, in order by the first fourteen characters of each record (Mine ID and Contractor).

2.2 Mine ID Number

A mine identification number (ID) is a seven digit number assigned to a specific mine. The first two digits identify the state in which a mine is located and the next five digits are sequentially ascending numbers within a state regardless of whether it is a coal or metal/nonmetal mine. Once a mine is assigned an ID number, it carries that number from that time on whether active or abandoned and regardless of change in ownership. That mine ID number is not given again to another mine. Mine ID numbers are assigned by IEIO upon request by MSHA district offices. A mine information form is used in IEIO for recording these new ID numbers for coal and metal/nonmetal mines. From this form, addresses are added to the Master Index File (MIF).

2.3 Contractor ID Numbers

A contractor is assigned one ID number that is used for identification when work is performed. Contractor ID numbers are assigned by IEIO upon request by MSHA district offices. A special log is kept for these new contractors. A contractor ID can be up to seven characters. Only three characters are used for reporting employment beginning in 1983. Injuries must provide the seven-digit mine ID where the injury occurred along with the contractor ID number. Beginning in 1983, contractor information is contained on separate files. Prior to 1983, contractor employment was provided on a mine basis and therefore was included in the same file with mine information.

2.4 Mine Information Forms

A Mine Information Form is used by IEIO to obtain status, company name and other needed information regarding new mines. This form is used to update the Master Index File (MIF).

2.5 Address Updates

The inspector has the responsibility for determining that a mine exists. All additions and changes to both the coal and metal/nonmetal address files are sent by the district offices to the Information Systems Center (ISC) Coal and Metal/Nonmetal Management Information Systems. Through an internal process, the address files are updated to correspond with ISC databases.

2.6 Master Index File (MIF)

Address record additions or changes are used to update the MIF file monthly. In addition, a special MIF update form is used to provide additional SIC codes and other information not carried on the address file.

2.7 Limitations on File Content

2.7.1 Congressional Removal

Information on the 1982 Metal/Nonmetal file is considered incomplete relative to other year's data for those operations exempted from MSHA jurisdiction under H.J. Resolution 370 consisting primarily of surface stone and sand and gravel operations.

2.7.2 Annual Removal

It is OIEI's policy to remove all mines and contractors from its address files if the district responsible has placed either the mine or the contractor in a permanently abandoned status prior to initialization of the next year's files.

2.7.3 Contractors

Address records for contractors, because they contain all Coal or Metal employment nationwide, contain the following constant information:

Mine ID	0000000
Inspection Office	9998
State Code	98
County Code	998
SIC	99998
Canvass or Class	9
Mine Type	14
Work Group	00

2.8 FIPS State and County Codes

Federal Information Processing Standards (FIPS) state codes (see Figure 2.1) are not the same numeric state codes assigned by IEIO as the first two digits of the mine ID number. FIPS state codes have been assigned by alphabetical order by states. The FIPS state code appears on the files but is computer generated. All counties are assigned the FIPS code number and are not computer generated. See FIPS PUB. 6-3 for the FIPS County Codes.

STATE CODE TABLE

<u>STATE NAME</u>	<u>ABBREV</u>	<u>IEIO CODE</u>	<u>FIPS CODE</u>	<u>STATE NAME</u>	<u>ABBREV</u>	<u>IEIO CODE</u>	<u>FIPS CODE</u>
ALABAMA	AL	01	01	NEW MEXICO	NM	29	35
ARIZONA	AZ	02	04	NEW YORK	NY	30	36
ARKANSAS	AR	03	05	NORTH CAROLINA	NC	31	37
CALIFORNIA	CA	04	06	NORTH DAKOTA	ND	32	38
COLORADO	CO	05	08	OHIO	OH	33	39
CONNECTICUT	CT	06	09	OKLAHOMA	OK	34	40
DELAWARE	DE	07	10	OREGON	OR	35	41
FLORIDA	FL	08	12	PENNSYLVANIA	PA	36	42
GEORGIA	GA	09	13	RHODE ISLAND	RI	37	44
IDAHO	ID	10	16	SOUTH CAROLINA	SC	38	45
ILLINOIS	IL	11	17	SOUTH DAKOTA	SD	39	46
INDIANA	IN	12	18	TENNESSEE	TN	40	47
IOWA	IA	13	19	TEXAS	TX	41	48
KANSAS	KS	14	20	UTAH	UT	42	49
KENTUCKY	KY	15	21	VERMONT	VT	43	50
LOUISIANA	LA	16	22	VIRGINIA	VA	44	51
MAINE	ME	17	23	WASHINGTON	WA	45	53
MARYLAND	MD	18	24	WEST VIRGINIA	WV	46	54
MASSACHUSETTS	MA	19	25	WISCONSIN	WI	47	55
MICHIGAN	MI	20	26	WYOMING	WY	48	56
MINNESOTA	MN	21	27	DIST OF COLUMBIA	DC	49	11
MISSISSIPPI	MS	22	28	ALASKA	AK	50	02
MISSOURI	MO	23	29	HAWAII	HI	51	15
MONTANA	MT	24	30	PACIFIC ISLAND POSSESSIONS	PP	52	Mult No's
NEBRASKA	NE	25	31	PANAMA CANL ZONE	CZ	53	61
NEVADA	NV	26	32	PUERTO RICO	PR	54	72
NEW HAMPSHIRE	NH	27	33	VIRGIN ISLANDS	VI	55	78
NEW JERSEY	NJ	28	34				

Figure 2.1

COAL MINE STATUS

<u>CODE</u>	<u>MEANING</u>
A	Active
B	Mine Closed by MSHA
C	Temporarily Closed
D	Permanently Abandoned
E	Active, Men Working, Not Producing
F	Active, Men Not Working, Not Producing
G	New, Under Construction
H	New, No Men Working

Figure 2.2

COAL

Inspection Office Coding Structure

- First two characters indicate the district office.
- All four characters indicate the field office.

COAL INSPECTION OFFICE CODES

INSPECTION
OFFICE

<u>CODE</u>	<u>DISTRICT</u>	<u>FIELD OFFICE</u>
0100	Wilkes Barre	
0101		Wilkes Barre
0102		Pottsville
0103		Shamokin
0200	New Stanton	
0201		Waynesburg
0202		Kittanning
0203		Washington
0204		Johnstown
0205		Indiana
0206		Clearfield
0207		Carrolltown
0300	Morgantown	
0301		Morgantown
0302		Fairmont
0303		Bridgeport
0304		Oakland
0305		St Clairsville
0306		Cadiz
0307		New Lexington
0308		Wellston
0400	Mt. Hope	
0401		Mt. Hope
0402		Mt. Carbon
0403		Summersville
0404		Princeton
0405		Pineville
0406		Madison
0407		Logan

Figure 2.3-1

COAL
(Continued)

INSPECTION OFFICE <u>CODE</u>	<u>DISTRICT</u>	<u>FIELD OFFICE</u>
0500	Norton	
0501		Norton
0502		Richlands
0503		Grundy
0600	Pikeville	
0601		Pikeville
0602		Elkhorn City
0603		Phelps
0604		Paintsville
0605		Martin
0606		Whitesburg
0700	Barbourville	
0701		Barbourville
0702		Harlan
0703		Jacksboro, TN
0704		Hazard
0705		Hindman
0706		Hyden
0707		Jasper
0800	Vincennes	
0801		Vincennes
0802		Benton
0803		Hillsboro
0804		Sparta
0900	Denver	
0901		McAlester
0902		Trinidad
0903		Sheridan
0904		Gillette
0905		Price
0906		Craig
0907		Delta
0908		Castle Dale

Figure 2.3-2

COAL
(Continued)

<u>INSPECTION OFFICE CODE</u>	<u>DISTRICT</u>	<u>FIELD OFFICE</u>
1000	Madisonville	
1001		Madisonville
1002		Morganfield
1003		Beaver Dam
1100	Birmingham	
1101		Hueytown, AL
1102		Jasper, AL

Figure 2.3-3

Metal/Nonmetal Status Codes

<u>Code</u>	<u>Meaning</u>
1	Full-Time Permanent
2	Intermittent (Included Seasonal)
3	Non-Producing
4	Permanently Abandoned

Figure 2.4

METAL/NONMETAL ORGANIZATION CODES

Organization Coding Structure

- First character indicates the district office.
- All four characters indicate the field office.

<u>ORGANIZATION CODE</u>	<u>DISTRICT</u>	<u>FIELD OFFICE</u>
2000	Northeastern	
2621		Wyomissing, PA
2641		Charlottesville, VA
2681		Cranberry, PA
2851		Geneva, NY
2861		Manchester, NH
2881		Glenmont, NY
3000	Southeastern	
3611		Bartow, FL
3631		Macon, GA
3651		San Juan, PR
3661		Birmingham, AL
3811		Franklin, TN
3821		Lexington, KY
3851		Columbia, SC
3861		Knoxville, TN
3871		Sanford, NC
4000	North Central	
4631		Lansing, MI
4641		Marquette, MI
4661		Duluth, MN
4671		Fort Dodge, IA
4821		Peru, IL
4851	Newark, OH	
4861	Vincennes, IN	

Figure 2.5-1

METAL/NONMETAL ORGANIZATION CODES
(Continued)

<u>ORGANIZATION CODE</u>	<u>DISTRICT</u>	<u>FIELD OFFICE</u>
5000	South Central	
5611		San Antonio, TX
5631		Carlsbad, NM
5641		Albuquerque, NM
5651		Denham Springs, LA
5671		Dallas, TX
5851		Rolla, MO
5861		Norman, OK
6000	Rocky Mountain	
6621		Rapid City, SD
6642		Denver, CO
6651		Topeka, KS
6821		Helena, MT
6831		Green River, WY
6851		Salt Lake City, UT
6861		Mesa, AZ
7000	Western	
7621		Coeur D'Alene, ID
7641		Bellevue, WA
7651		Albany, OR
7821		Vacaville, CA
7831		San Bernardino, CA
7851		Elko, NV

Figure 2.5-2

STANDARD INDUSTRIAL CLASSIFICATION CODES (MSHA)
(numeric order)

10110	Iron Ore	14410	Sand & Gravel
10210	Copper Ore	14530	Clay (Fire)
10310	Lead and/or Zinc Ore	14550	Clay (Common)
10410	Gold (Lode and Placer)	14590	Clay, Ceramic & Refractory, NEC
10440	Silver Ores	14591	Aplite
10510	Aluminum Ore	14592	Brucite
10610	Ferroalloy Ores	14593	Feldspar
10611	Chromite	14594	Kyanite
10612	Cobalt	14595	Magnesite
10613	Columbium - Tantalum	14596	Shale (Common)
10614	Manganese	14720	Barite
10615	Molybdenum	14730	Fluorspar
10616	Nickel	14740	Potash, Soda & Borate Min'ls NEC
10617	Tungsten	14741	Boron Minerals
10920	Mercury	14742	Potash
10940	Uranium - Vanadium Ores	14743	Trona
10941	Uranium	14744	Sodium Compounds
10942	Vanadium	14750	Phosphate Rock
10990	Metal Ores, NEC	14760	Salt (Rock)
10991	Antimony	14770	Sulfur
10992	Beryl	14790	Chemical and Fertilizer, NEC
10993	Platinum Group	14791	Lithium
10994	Rare Earths	14792	Pigment Mineral
10995	Tin Ore	14793	Pyrites
10996	Titanium	14794	Strontium
10997	Zircon	14920	Gypsum
11110	Coal, Anthracite	14960	Talc, Soapstone & Pyrophyllite
12110	Coal, Bituminous	14990	Nonmetallic Minerals, NEC
13111	Oil Shale	14991	Asbestos
13112	Oil Sand	14992	Gemstones
14110	Stone, Dimension NEC	14993	Gilsonite
14111	Granite (Dimension)	14994	Mica
14112	Limestone (Dimension)	14995	Peat (before 1979)
14113	Marble (Dimension)	14996	Perlite
14114	Sandstone (Dimension)	14997	Pumice
14115	Slate (Dimension)	14998	Vermiculite
14116	Traprock (Dimension)	28190	Industrial Chemicals, NEC
14220	Limestone (Crushed & Broken)	28191	Alumina (Mill)
14230	Granite (Crushed & Broken)	28193	Bromine
14290	Stone, Crushed & Broken, NEC	29900	Leonardite
14291	Marble (Crushed & Broken)	28991	Salt (Evaporated)
14292	Sandstone (Crushed & Broken)	28992	Salt (In brine)
14293	Slate (Crushed & Broken)	32410	Cement
14294	Traprock (Crushed & Broken)	32740	Lime

Figure 2.6-1

STANDARD INDUSTRIAL CLASSIFICATION CODES (MSHA)
(alpha order)

28191	Alumina (Mill)	10990	Metal Ores, NEC
10510	Aluminum Ore	14994	Mica
10991	Antimony	10615	Molybdenum
14591	Aplite	10616	Nickel
14991	Asbestos	14990	Nonmetallic Minerals, NEC
14720	Barite	13112	Oil Sand
10992	Beryl	13111	Oil Shale
14741	Boron Minerals	14995	Peat (before 1979)
28193	Bromine	14996	Perlite
14592	Brucite	14750	Phosphate Rock
32410	Cement	14792	Pigment Mineral
14790	Chemical and Fertilizer, NEC	10993	Platinum Group
10611	Chromite	14742	Potash
14590	Clay, Ceramic & Refractory, NEC	14740	Potash, Soda & Borate Min'ls NEC
14550	Clay (Common)	14997	Pumice
14530	Clay (Fire)	14793	Pyrites
11110	Coal, Anthracite	10994	Rare Earths
12110	Coal, Bituminous	28991	Salt (Evaporated)
10612	Cobalt	28992	Salt (In brine)
10613	Columbium - Tantalum	14760	Salt (Rock)
10210	Copper Ore	14410	Sand & Gravel
14593	Feldspar	14292	Sandstone (Crushed & Broken)
10610	Ferroalloy Ores	14114	Sandstone (Dimension)
14730	Fluorspar	14596	Shale (Common)
14992	Gemstones	10440	Silver Ores
14993	Gilsonite	14293	Slate (Crushed & Broken)
10410	Gold (Lode and Placer)	14115	Slate (Dimension)
14230	Granite (Crushed & Broken)	14744	Sodium Compounds
14111	Granite (Dimension)	14290	Stone, Crushed & Broken, NEC
14920	Gypsum	14110	Stone, Dimension NEC
28190	Industrial Chemicals, NEC	14794	Strontium
10110	Iron Ore	14770	Sulfur
14594	Kyanite	14960	Talc, Soapstone & Pyrophyllite
10310	Lead and/or Zinc Ore	10995	Tin Ore
29900	Leonardite	10996	Titanium
32740	Lime	14294	Traprock (Crushed & Broken)
14220	Limestone (Crushed & Broken)	14116	Traprock (Dimension)
14112	Limestone (Dimension)	14743	Trona
14791	Lithium	10617	Tungsten
14595	Magnesite	10941	Uranium
10614	Manganese	10940	Uranium - Vanadium Ores
14291	Marble (Crushed & Broken)	10942	Vandium
14113	Marble (Dimension)	14998	Vermiculite
10920	Mercury	10997	Zircon

Figure 2.6-2

MINE TYPE CODES

The mine type code is based on the primary operating unit and the canvass code. The primary operating unit being the first sub-unit operation in the address record.

<u>MINE TYPE CODE</u>	<u>DESCRIPTION</u>	<u>PRIMARY OPERATING UNIT</u>	<u>CANVASS</u>
1	Underground-Metal	01 02	8
2	Underground-Nonmetal	01 02	7
3	Underground-Stone	01 02	6
4	Surface - Metal	03 06 12 17 99	8
5	Surface - Nonmetal	03 06 12 17 99	7
6	Surface - Stone	03 06 12 17 99	6
7	Mills - Metal	30	8
8	Mills - Nonmetal	30	7
9	Mills - Stone	30	6
10	Sand and Gravel	All	5
11	Underground - Coal	01 02	1 or 2
12	Surface - Coal	03 04 05 06 17 99	1 or 2
13	Mills - Coal	30	1 or 2
14*	Contractor	All	9

* 1983 and after.

Figure 2.7

CANVASS CODE

The canvass codes designate a general product classification. Canvass codes are computer generated from the Standard Industrial Codes (SIC) as follows:

<u>CANVASS CODE</u>	<u>DESCRIPTION</u>	<u>STANDARD INDUSTRIAL CODES</u>
1	Coal - Anthracite	11110
2	Coal - Bituminous	12110
3	Not Used (formerly designated sub-bituminous)	
4	Not used (formerly designated lignite)	
5	Sand & Gravel	14410
6	Stone	First three digits are 141 First three digits are 142 32411 32412 32720
7	Nonmetal	First three digits are 145 First three digits are 147 First three digits are 149 28193 28195 29900 32952 32957
8	Metal	First two digits are 10 28180
9*	Contractor	9998

* 1983 and after.

Figure 2.8

SUBUNIT OPERATIONS CODE

The subunit operations code indicates the type of mining operations conducted at the mine. A maximum of four subunit operations codes may be assigned to one mine or a maximum of nine may be assigned to a contractor. Only specified combinations will be permitted. Employment and accident/injury/ illness data will be segregated according to this code.

SUBUNIT
OPERATIONS
CODE

DESCRIPTION

01	<u>Underground Operations.</u> All underground operations. Operations below the surface of the ground. Excavations beneath a roof. Hoisting to the surface.
02	<u>Surface Operations at an Underground Mine.</u> Includes surface shops and yards, tipples physically located at the mine site.
03	<u>Surface.</u> Strip or open pit mines including associated shops and yards.
04	<u>Auger.</u> Auger mining operations for coal mines only.
05	<u>Culm Bank.</u> Reworking of mine dumps or refuse pile. For coal operations only.
06	<u>Dredge.</u> Mining operations conducted from a platform floating on water.
12	<u>Other Surface Mining.</u> Brine pumping, etc. For Metal/Nonmetal only.
17	<u>Independent Shops and Yards.</u> Shops and yards not associated with one specific mine. Will have an individual mine-ID.
30	<u>Mill or Preparation Plant.</u> Mill, preparation plant or breaker operations associated with one specific mine. Includes associated shops and yards.
99	<u>Office.</u> Professional and clerical workers at the plant or mine.

Figure 2.9

VALID SUBUNIT COMBINATIONS

The following are valid subunit combinations for mine address records:

<u>VALID SUBUNIT COMBINATIONS</u>	<u>RESTRICTIONS</u>
01	
01 02	
01 02 30	
01 02 30 99	
01 02 99	
01 30	
01 30 99	
01 99	
03	
03 04	Coal only
03 04 30	Coal only
03 04 30 99	Coal only
03 04 99	Coal only
03 05	Coal only
03 05 30	Coal only
03 05 30 99	Coal only
03 05 99	Coal only
03 30	
03 30 99	
03 99	
04	Coal only
04 30	Coal only
04 30 99	Coal only
04 99	Coal only
05	Coal only
05 30	Coal only
05 30 99	Coal only
05 99	Coal only

Figure 2.10-1

VALID SUBUNIT COMBINATIONS (Cont'd)

<u>VALID SUBUNIT COMBINATIONS</u>	<u>RESTRICTIONS</u>
06	
06 30	
06 30 99	
06 99	
12	Metal/Nonmetal only
12 30	Metal/Nonmetal only
12 30 99	Metal/Nonmetal only
12 99	Metal/Nonmetal only
17	
17 99	
30	
30 99	
99	

Contractor may use any combination of subunits below:

01
02
03
*04
*05
06
**12
17
30
99

* Coal Only
** Metal/Nonmetal Only

MINE ADDRESS/EMPLOYMENT

The first record on this file is always an informational record containing the year of the data and the type of data along with other miscellaneous data. The following is a detail description of this first record:

<u>POSITION</u>	<u>DATA ELEMENT</u>	<u>TYPE/ WIDTH</u>	<u>DESCRIPTION</u>
1-7	Constant	X(7)	Value of 0000001.
8-14	Constant	X(7)	Value of spaces.
15-28	Type of File	X(14)	Value of COAL or METAL/NONMETAL.
29-32	Year of File	9(4)	Year of the data.
33-35	Cycle Number	9(3)	Update cycle number.
36-43	Update Date	9(8)	Date of last update.
44-876	Filler	X(833)	

The following is a detail description of the mine address/employment records that follow the informational record:

<u>POSITION</u>	<u>DATA ELEMENT</u>	<u>TYPE/ WIDTH</u>	<u>DESCRIPTION</u>
1-7	Mine ID	9(7)	MSHA Mine ID assigned to a mining operation.
8-14	Contractor	X(7)	Contractor performing work at the site of the primary Mine ID operation. Spaces if 1983 or later.
15-17	Filler	9(3)	
18-21	Inspection Office	9(4)	Code for MSHA Field office exercising jurisdiction over this mining operation.

Figure 2.11-1

MINE ADDRESS/EMPLOYMENT (Cont'd)

<u>POSITION</u>	<u>DATA ELEMENT</u>	<u>TYPE/ WIDTH</u>	<u>DESCRIPTION</u>
22-23	State Code	99	FIPS code for state in which mine is located.
24-26	County Code	9(3)	FIPS code for county within a state in which mine is located.
27-31	SIC	9(5)	Standard Industrial Code for primary commodity mined.
32	Filler	9	
33	Canvass or Class	9	Designates a general product class based on SIC code. Internally generated by IEIO.
34-35	Mine Type	99	Metal/Nonmetal mine type code. Based on subunit operations code and canvass code.
36	Status Code	X	Code for status of operations of mine (active to permanently closed.)
37-44	Status Date	X(8)	Date of latest add or change of status in YYYYMMDD format.
45-48	Seam Height	9(4)	Coal seam height in inches. Coal only.
49-50	Filler	99	
51	Prior Status Code	X	When status code is changed, the previous status code will be moved to this position.
52-54	Travel Area	X(3)	Metal/Nonmetal inspection travel area. 1 alpha and 2 numeric characters.

Figure 2.11-2

MINE ADDRESS/EMPLOYMENT (Cont'd)

<u>POSITION</u>	<u>DATA ELEMENT</u>	<u>TYPE/ WIDTH</u>	<u>DESCRIPTION</u>
55	Mailing Control	9	Provides for suppression of mail outs.
56-85	Company Name	X(30)	Company owning or having primary responsibility for the operation of this mine.
86-103	Filler	X(18)	
104-133	Mine or Plant Name	X(30)	Name applied to this mine by the company.
134-151	Filler	X(18)	
152-181	Street or PO Box Number	X(30)	Mailing address for this mining operation.
182-193	Filler	X(12)	
194-206	City	X(13)	City to which mail is sent for this mine.
207-215	Filler	X(9)	
216-217	State Abbreviation	XX	State abbreviation for mailing purposes.
218-222	Zip Code	9(5)	Zip code for mailing purposes.
223-226	Filler	9(4)	
227-250	County Name	X(24)	Name of county in which mine is located.

Figure 2.11-3

MINE ADDRESS/EMPLOYMENT (Cont'd)

<u>POSITION</u>	<u>DATA ELEMENT</u>	<u>TYPE/ WIDTH</u>	<u>DESCRIPTION</u>
251	Injury Flag Quarter 1	9	Company indication whether the company had reportable injuries or illnesses during this quarter; 1 if yes; 2 if no. This is supplied each quarter by the mining company on Form 7000-2. It may not accurately reflect actual accidents/illnesses reported.
252-254	Injury Count Quarter 1	9(3)	Number of reportable accidents and illnesses for the quarter given on Form 7000-2 by the mining company. It may not accurately reflect actual accidents/illnesses reported.
255	Injury Flag Quarter 2	9	Company indication whether the company had reportable injuries or illnesses during this quarter; 1 if yes; 2 if no. This is supplied each quarter by the mining company on Form 7000-2. It may not accurately reflect actual accidents/illnesses reported.
256-258	Injury Count Quarter 2	9(3)	Number of reportable accidents and illnesses for the quarter given on Form 7000-2 by the mining company. It may not accurately reflect actual accidents/illnesses reported.
259	Injury Flag Quarter 3	9	Company indication whether the company had reportable injuries or illnesses during this quarter; 1 if yes; 2 if no. This is supplied each quarter by the mining company on Form 7000-2. It may not accurately reflect actual accidents/illnesses reported.

Figure 2.11-4

MINE ADDRESS/EMPLOYMENT (Cont'd)

<u>POSITION</u>	<u>DATA ELEMENT</u>	<u>TYPE/ WIDTH</u>	<u>DESCRIPTION</u>
260-262	Injury Count Quarter 3	9(3)	Number of reportable accidents and illnesses for the quarter given on Form 7000-2 by the mining company. It may not accurately reflect actual accidents/illnesses reported.
263	Injury Flag Quarter 4	9	Company indication whether the company had reportable injuries or illnesses during this quarter; 1 if yes; 2 if no. This is supplied each quarter by the mining company on Form 7000-2. It may not accurately reflect actual accidents/illnesses reported.
264-266	Injury Count Quarter 4	9(3)	Number of reportable accidents and illnesses for the quarter given on Form 7000-2 by the mining company. It may not accurately reflect actual accidents/illnesses reported.
267-268	Work Group	99	Coal work group code.
269-272	Update Addition Year	9(4)	Year that the address information was added to file.
273-275	Update Addition Number	9(3)	Update cycle number that the information was added to file.
276-279	Update Change Year	9(4)	Year of latest change to address information.
280-282	Update Change Number	9(3)	Update cycle number of latest change to address information.
283	Number of Subunits	9	Total number of subunits operating at the mine. There may be 0 to 4 subunits operating at each mine.

Figure 2.11-5

MINE ADDRESS/EMPLOYMENT (Cont'd)

Positions 284-425 of the record contains information about the first subunit operating at the mine. Position 283 indicates the total number of subunits operating at the mine. This "subunit" area could be spaces if there are no subunits operating at the mine.

<u>POSITION</u>	<u>DATA ELEMENT</u>	<u>TYPE/ WIDTH</u>	<u>DESCRIPTION</u>
284-285	Subunit 1 Code	99	First subunit operations code.
286-297	Document Number Quarter 1	9(12)	Number assigned to the document upon receipt in mailroom of IEIO and stamped on the form.
298-302	Number of Employees Quarter 1	9(5)	Average number of persons working during the quarter in this subunit.
303-310	Employee Hours Quarter 1	9(8)	Total employee hours worked during the quarter in this subunit.
311-320	Tons of Production Quarter 1	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
321-332	Document Number Quarter 2	9(12)	Number assigned to the document upon receipt in mailroom of IEIO and stamped on the form.
333-337	Number of Employees Quarter 2	9(5)	Average number of persons working during the quarter in this subunit.
338-345	Employee Hours Quarter 2	9(8)	Total employee hours worked during the quarter in this subunit.
346-355	Tons of Production Quarter 2	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
356-367	Document Number Quarter 3	9(12)	Number assigned to the document upon receipt in mailroom of IEIO and stamped on the form.

Figure 2.11-6

MINE ADDRESS/EMPLOYMENT (Cont'd)

<u>POSITION</u>	<u>DATA ELEMENT</u>	<u>TYPE/ WIDTH</u>	<u>DESCRIPTION</u>
368-372	Number of Employees Quarter 3	9(5)	Average number of persons working during the quarter in this subunit.
373-380	Employee Hours Quarter 3	9(8)	Total employee hours worked during the quarter in this subunit.
381-390	Tons of Production Quarter 3	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
391-402	Document Number Quarter 4	9(12)	Number assigned to the document upon receipt in mailroom of IEIO and stamped on the form.
403-407	Number of Employees Quarter 4	9(5)	Average number of persons working during the quarter in this subunit.
408-415	Employee Hours Quarter 4	9(8)	Total employee hours worked during the quarter in this subunit.
416-425	Tons of Production Quarter 4	9(10)	Production of clean coal (short tons) during the quarter in this subunit.

Positions 426-567 of the record contains information about the second subunit operating at the mine. Position 283 indicates the total number of subunits operating at the mine. This "subunit" area could be spaces if there is only one subunit operating at the mine.

426-427	Subunit 2 Code	99	Second subunit operations code.
428-439	Document Number Quarter 1	9(12)	Number assigned to the document upon receipt in mailroom of IEIO and stamped on the form.
440-444	Number of Employees Quarter 1	9(5)	Average number of persons working during the quarter in this subunit.

Figure 2.11-7

MINE ADDRESS/EMPLOYMENT (Cont'd)

<u>POSITION</u>	<u>DATA ELEMENT</u>	<u>TYPE/ WIDTH</u>	<u>DESCRIPTION</u>
445-452	Employee Hours Quarter 1	9(8)	Total employee hours worked during the quarter in this subunit.
453-462	Tons of Production Quarter 1	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
463-474	Document Number Quarter 2	9(12)	Number assigned to the document upon receipt in mailroom of IEIO and stamped on the form.
475-479	Number of Employees Quarter 2	9(5)	Average number of persons working during the quarter in this subunit.
480-487	Employee Hours Quarter 2	9(8)	Total employee hours worked during the quarter in this subunit.
488-497	Tons of Production Quarter 2	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
498-509	Document Number Quarter 3	9(12)	Number assigned to the document upon receipt in mailroom of IEIO and stamped on the form.
510-514	Number of Employees Quarter 3	9(5)	Average number of persons working during the quarter in this subunit.
515-522	Employee Hours Quarter 3	9(8)	Total employee hours worked during the quarter in this subunit.
523-532	Tons of Production Quarter 3	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
533-544	Document Number Quarter 4	9(12)	Number assigned to the document upon receipt in mailroom of IEIO and stamped on the form.

Figure 2.11-8

MINE ADDRESS/EMPLOYMENT (Cont'd)

<u>POSITION</u>	<u>DATA ELEMENT</u>	<u>TYPE/ WIDTH</u>	<u>DESCRIPTION</u>
545-549	Number of Employees Quarter 4	9(5)	Average number of persons working during the quarter in this subunit.
550-557	Employee Hours Quarter 4	9(8)	Total employee hours worked during the quarter in this subunit.
558-567	Tons of Production Quarter 4	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
<p>Positions 568-709 of the record contains information about the third subunit operating at the mine. Position 283 indicates the total number of subunits operating at the mine. This "subunit" area could be spaces if there are two subunits operating at the mine.</p>			
568-569	Subunit 3 Code	99	Third subunit operations code.
570-581	Document Number Quarter 1	9(12)	Number assigned to the document upon receipt in mailroom of IEIO and stamped on the form.
582-586	Number of Employees Quarter 1	9(5)	Average number of persons working during the quarter in this subunit.
587-594	Employee Hours Quarter 1	9(8)	Total employee hours worked during the quarter in this subunit.
595-604	Tons of Production Quarter 1	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
605-616	Document Number Quarter 2	9(12)	Number assigned to the document upon receipt in mailroom of IEIO and stamped on the form.
617-621	Number of Employees Quarter 2	9(5)	Average number of persons working during the quarter in this subunit.

Figure 2.11-9

MINE ADDRESS/EMPLOYMENT (Cont'd)

<u>POSITION</u>	<u>DATA ELEMENT</u>	<u>TYPE/ WIDTH</u>	<u>DESCRIPTION</u>
622-629	Employee Hours Quarter 2	9(8)	Total employee hours worked during the quarter in this subunit.
630-639	Tons of Production Quarter 2	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
640-651	Document Number Quarter 3	9(12)	Number assigned to the document upon receipt in mailroom of IEIO and stamped on the form.
652-656	Number of Employees Quarter 3	9(5)	Average number of persons working during the quarter in this subunit.
657-664	Employee Hours Quarter 3	9(8)	Total employee hours worked during the quarter in this subunit.
665-674	Tons of Production Quarter 3	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
675-686	Document Number Quarter 4	9(12)	Number assigned to the document upon receipt in mailroom of IEIO and stamped on the form.
687-691	Number of Employees Quarter 4	9(5)	Average number of persons working during the quarter in this subunit.
692-699	Employee Hours Quarter 4	9(8)	Total employee hours worked during the quarter in this subunit.
700-709	Tons of Production Quarter 4	9(10)	Production of clean coal (short tons) during the quarter in this subunit.

Positions 710-851 of the record contains information about the fourth subunit operating at the mine. Position 283 indicates the total number of subunits operating at the mine. This "subunit" area could be spaces if there are three subunits operating at the mine.

Figure 2.11-10

MINE ADDRESS/EMPLOYMENT (Cont'd)

<u>POSITION</u>	<u>DATA ELEMENT</u>	<u>TYPE/ WIDTH</u>	<u>DESCRIPTION</u>
710-711	Subunit 4 Code	99	Fourth subunit operations code.
712-723	Document Number Quarter 1	9(12)	Number assigned to the document upon receipt in mailroom of IEIO and stamped on the form.
724-728	Number of Employees Quarter 1	9(5)	Average number of persons working during the quarter in this subunit.
729-736	Employee Hours Quarter 1	9(8)	Total employee hours worked during the quarter in this subunit.
737-746	Tons of Production Quarter 1	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
747-758	Document Number Quarter 2	9(12)	Number assigned to the document upon receipt in mailroom of IEIO and stamped on the form.
759-763	Number of Employees Quarter 2	9(5)	Average number of persons working during the quarter in this subunit.
764-771	Employee Hours Quarter 2	9(8)	Total employee hours worked during the quarter in this subunit.
772-781	Tons of Production Quarter 2	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
782-793	Document Number Quarter 3	9(12)	Number assigned to the document upon receipt in mailroom of IEIO and stamped on the form.
794-798	Number of Employees Quarter 3	9(5)	Average number of persons working during the quarter in this subunit.

Figure 2.11-11

MINE ADDRESS/EMPLOYMENT (Cont'd)

<u>POSITION</u>	<u>DATA ELEMENT</u>	<u>TYPE/ WIDTH</u>	<u>DESCRIPTION</u>
799-806	Employee Hours Quarter 3	9(8)	Total employee hours worked during the quarter in this subunit.
807-816	Tons of Production Quarter 3	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
817-828	Document Number Quarter 4	9(12)	Number assigned to the document upon receipt in mailroom of IEIO and stamped on the form.
829-833	Number of Employees Quarter 4	9(5)	Average number of persons working during the quarter in this subunit.
834-841	Employee Hours Quarter 4	9(8)	Total employee hours worked during the quarter in this subunit.
842-851	Tons of Production Quarter 4	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
852-876	Filler	X(25)	

Figure 2.11-12

CONTRACTOR ADDRESS/EMPLOYMENT

The first record on this file is always an informational record containing the year of the data and the type of data along with other miscellaneous data. The following is a detail description of this first record:

<u>POSITION</u>	<u>DATA ELEMENT</u>	<u>TYPE/ WIDTH</u>	<u>DESCRIPTION</u>
1-14	Constant	X(14)	Value of spaces.
15-28	Type of File	X(14)	Value of COAL CONTR or MNM CONTR.
29-32	Year of File	9(4)	Year of the data.
33-35	Cycle Number	9(3)	Update cycle number.
36-43	Update Date	9(8)	Date of last update.
44-1586	Filler	X(1543)	

The following is a detail description of the contractor address/employment records that follow the informational record:

<u>POSITION</u>	<u>DATA ELEMENT</u>	<u>TYPE/ WIDTH</u>	<u>DESCRIPTION</u>
1-7	Contractor	X(7)	MSHA Contractor code assigned to an independent contractor.
8-14	Mine ID	9(7)	Constant value of zeroes.
15-17	Filler	9(3)	
18-21	Inspection Office	9(4)	Constant value of 9998.
22-23	State Code	99	Constant value of 98.
24-26	County Code	9(3)	Constant value of 998.
27-31	SIC	9(5)	Constant value of 99998.
32	Filler	9	

Figure 2.12-1

CONTRACTOR ADDRESS/EMPLOYMENT (Cont'd)

<u>POSITION</u>	<u>DATA ELEMENT</u>	<u>TYPE/ WIDTH</u>	<u>DESCRIPTION</u>
33	Canvass or Class	9	Constant value of 9.
34-35	Mine Type	99	Constant value of 14.
36	Status Code	X	Code for status of operations of contractor (active to permanently closed.)
37-44	Status Date	X(8)	Date of latest add or change of status in YYYYMMDD format.
45-48	Seam Height	9(4)	Constant value of zeroes.
49-50	Filler	99	
51	Prior Status Code	X	When status code is changed, the previous status code will be moved to this position.
52-54	Travel Area	X(3)	Constant value of spaces.
55	Mailing Control	9	Provides for suppression of mail outs.
56-85	Company Name	X(30)	Company owning or having primary responsibility for this contractor code.
86-103	Filler	X(18)	
104-133	Mine or Plant Name	X(30)	Constant value of ALL MINING OPERATIONS.
134-151	Filler	X(18)	
152-181	Street or PO Box contractor. Number	X(30)	Mailing address for this
182-193	Filler	X(12)	

Figure 2.12-2

CONTRACTOR ADDRESS/EMPLOYMENT (Cont'd)

<u>POSITION</u>	<u>DATA ELEMENT</u>	<u>TYPE/ WIDTH</u>	<u>DESCRIPTION</u>
194-206	City	X(13)	City to which mail is sent for this contractor.
207-215	Filler	X(9)	
216-217	State Abbreviation	XX	State abbreviation for mailing purposes.
218-222	Zip Code	9(5)	Zip Code for mailing purposes.
223-226	Filler	9(4)	
227-250	County Name	X(24)	Constant value of VARIOUS COUNTIES.
251	Injury Flag Quarter 1	9	Contractor indication whether the contractor had reportable injuries or illnesses during this quarter; 1 if yes; 2 if no. This is supplied each quarter by the contractor on Form 7000-2. It may not accurately reflect actual accidents/illnesses reported.
252-254	Injury Count Quarter 1	9(3)	Number of reportable accidents and illnesses for the quarter given on Form 7000-2 by the contractor. It may not accurately reflect actual accidents/illnesses reported.
255	Injury Flag Quarter 2	9	Contractor indication whether the contractor had reportable injuries or illnesses during this quarter; 1 if yes; 2 if no. This is supplied each quarter by the contractor on Form 7000-2. It may not accurately reflect actual accidents/illnesses reported.

Figure 2.12-3

CONTRACTOR ADDRESS/EMPLOYMENT (Cont'd)

<u>POSITION</u>	<u>DATA ELEMENT</u>	<u>TYPE/ WIDTH</u>	<u>DESCRIPTION</u>
256-258	Injury Count Quarter 2	9(3)	Number of reportable accidents and illnesses for the quarter given on Form 7000-2 by the contractor. It may not accurately reflect actual accidents/illnesses reported.
259	Injury Flag Quarter 3	9	Contractor indication whether the contractor had reportable injuries or illnesses during this quarter; 1 if yes; 2 if no. This is supplied each quarter by the contractor on Form 7000-2. It may not accurately reflect actual accidents/illnesses reported.
260-262	Injury Count Quarter 3	9(3)	Number of reportable accidents and illnesses for the quarter given on Form 7000-2 by the contractor. It may not accurately reflect actual accidents/illnesses reported.
263	Injury Flag Quarter 4	9	Contractor indication whether the contractor had reportable injuries or illnesses during this quarter; 1 if yes; 2 if no. This is supplied each quarter by the contractor on Form 7000-2. It may not accurately reflect actual accidents/illnesses reported.
264-266	Injury Count Quarter 4	9(3)	Number of reportable accidents and illnesses for the quarter given on Form 7000-2 by the contractor. It may not accurately reflect actual accidents/illnesses reported.
267-268	Work Group	99	Constant value of zeroes.

Figure 2.12-4

CONTRACTOR ADDRESS/EMPLOYMENT (Cont'd)

<u>POSITION</u>	<u>DATA ELEMENT</u>	<u>TYPE/ WIDTH</u>	<u>DESCRIPTION</u>
269-272	Update Addition Year	9(4)	Year that the address information was added to file.
273-275	Update Addition Number	9(3)	Update cycle number that address information was added to file.
276-279	Update Change Year	9(4)	Year of latest change to address information.
280-282	Update Change Number	9(3)	Update cycle number of the latest change to address information.
283	Number of Subunits	9	Total number of subunits where the contractor operated. Value can vary from zero to nine.
<p>Positions 284-425 of the record contains information about the first subunit where the contractor has operated. Position 283 indicates the total number of subunits operating. This "subunit" area could be spaces if the contractor did not operate at any subunit.</p>			
284-285	Subunit 1 Code	99	First subunit operations code.
286-297	Document Number Quarter 1	9(12)	Number assigned to the document upon receipt in mailroom of IEIO and stamped on the form.
298-302	Number of Employees Quarter 1	9(5)	Average number of persons working during the quarter in this subunit.
303-310	Employee Hours Quarter 1	9(8)	Total employee hours worked during the quarter in this subunit.
311-320	Tons of Production Quarter 1	9(10)	Production of clean coal (short tons) during the quarter in this subunit.

Figure 2.12-5

CONTRACTOR ADDRESS/EMPLOYMENT (Cont'd)

<u>POSITION</u>	<u>DATA ELEMENT</u>	<u>TYPE/ WIDTH</u>	<u>DESCRIPTION</u>
321-332	Document Number Quarter 2	9(12)	Number assigned to the document upon receipt in mailroom of IEIO and stamped on the form.
333-337	Number of Employees Quarter 2	9(5)	Average number of persons working during the quarter in this subunit.
338-345	Employee Hours Quarter 2	9(8)	Total employee hours worked during the quarter in this subunit.
346-355	Tons of Production Quarter 2	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
356-367	Document Number Quarter 3	9(12)	Number assigned to the document upon receipt in mailroom of IEIO and stamped on the form.
368-372	Number of Employees Quarter 3	9(5)	Average number of persons working during the quarter in this subunit.
373-380	Employee Hours Quarter 3	9(8)	Total employee hours worked during the quarter in this subunit.
381-390	Tons of Production Quarter 3	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
391-402	Document Number Quarter 4	9(12)	Number assigned to the document upon receipt in mailroom of IEIO and stamped on the form.
403-407	Number of Employees Quarter 4	9(5)	Average number of persons working during the quarter in this subunit.
408-415	Employee Hours Quarter 4	9(8)	Total employee hours worked during the quarter in this subunit.

Figure 2.12-6

CONTRACTOR ADDRESS/EMPLOYMENT (Cont'd)

<u>POSITION</u>	<u>DATA ELEMENT</u>	<u>TYPE/ WIDTH</u>	<u>DESCRIPTION</u>
416-425	Tons of Production Quarter 4	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
<p>Positions 426-567 of the record contains information about the second subunit where the contractor has operated. Position 283 indicates the total number of subunits operating. This "subunit" area could be spaces if there is only one subunit where the contractor operated.</p>			
426-427	Subunit 2 Code	99	Second subunit operations code.
428-439	Document Number Quarter 1	9(12)	Number assigned to the document upon receipt in mailroom of IEIO and stamped on the form.
440-444	Number of Employees Quarter 1	9(5)	Average number of persons working during the quarter in this subunit.
445-452	Employee Hours Quarter 1	9(8)	Total employee hours worked during the quarter in this subunit.
453-462	Tons of Production Quarter 1	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
463-474	Document Number Quarter 2	9(12)	Number assigned to the document upon receipt in mailroom of IEIO and stamped on the form.
475-479	Number of Employees Quarter 2	9(5)	Average number of persons working during the quarter in this subunit.
480-487	Employee Hours Quarter 2	9(8)	Total employee hours worked during the quarter in this subunit.
488-497	Tons of Production Quarter 2	9(10)	Production of clean coal (short tons) during the quarter in this subunit.

Figure 2.12-7

CONTRACTOR ADDRESS/EMPLOYMENT (Cont'd)

<u>POSITION</u>	<u>DATA ELEMENT</u>	<u>TYPE/ WIDTH</u>	<u>DESCRIPTION</u>
498-509	Document Number Quarter 3	9(12)	Number assigned to the document upon receipt in mailroom of IEIO and stamped on the form.
510-514	Number of Employees Quarter 3	9(5)	Average number of persons working during the quarter in this subunit.
515-522	Employee Hours Quarter 3	9(8)	Total employee hours worked during the quarter in this subunit.
523-532	Tons of Production Quarter 3	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
533-544	Document Number Quarter 4	9(12)	Number assigned to the document upon receipt in mailroom of IEIO and stamped on the form.
545-549	Number of Employees Quarter 4	9(5)	Average number of persons working during the quarter in this subunit.
550-557	Employee Hours Quarter 4	9(8)	Total employee hours worked during the quarter in this subunit.
558-567	Tons of Production Quarter 4	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
<p>Positions 568-709 of the record contains information about the third subunit where the contractor operated. Position 283 indicates the total number of subunits. This "subunit" area could be spaces if there were only two subunits where the contractor operated.</p>			
568-569	Subunit 3 Code	99	Third subunit operations code.
570-581	Document Number Quarter 1	9(12)	Number assigned to the document upon receipt in mailroom of IEIO and stamped on the form.

Figure 2.12-8

CONTRACTOR ADDRESS/EMPLOYMENT (Cont'd)

<u>POSITION</u>	<u>DATA ELEMENT</u>	<u>TYPE WIDTH</u>	<u>DESCRIPTION</u>
582-586	Number of Employees Quarter 1	9(5)	Average number of persons working during the quarter in this subunit.
587-594	Employee Hours Quarter 1	9(8)	Total employee hours worked during the quarter in this subunit.
595-604	Tons of Production Quarter 1	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
605-616	Document Number Quarter 2	9(12)	Number assigned to the document upon receipt in mailroom of IEIO and stamped on the form.
617-621	Number of Employees Quarter 2	9(5)	Average number of persons working during the quarter in this subunit.
622-629	Employee Hours Quarter 2	9(8)	Total employee hours worked during the quarter in this subunit.
630-639	Tons of Production Quarter 2	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
640-651	Document Number Quarter 3	9(12)	Number assigned to the document upon receipt in mailroom of IEIO and stamped on the form.
652-656	Number of Employees Quarter 3	9(5)	Average number of persons working during the quarter in this subunit.
657-664	Employee Hours Quarter 3	9(8)	Total employee hours worked during the quarter in this subunit.
665-674	Tons of Production Quarter 3	9(10)	Production of clean coal (short tons) during the quarter in this subunit.

Figure 2.12-9

CONTRACTOR ADDRESS/EMPLOYMENT (Cont'd)

<u>POSITION</u>	<u>DATA ELEMENT</u>	<u>TYPE/ WIDTH</u>	<u>DESCRIPTION</u>
675-686	Document Number Quarter 4	9(12)	Number assigned to the document upon receipt in mailroom of IEIO and stamped on the form.
687-691	Number of Employees Quarter 4	9(5)	Average number of persons working during the quarter in this subunit.
692-699	Employee Hours Quarter 4	9(8)	Total employee hours worked during the quarter in this subunit.
700-709	Tons of Production Quarter 4	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
<p>Positions 710-851 of the record contains information about the fourth subunit where the contractor operated. Position 283 indicates the total number of subunits operating. This "subunit" area could be spaces if there were only three subunits where the contractor operated.</p>			
710-711	Subunit 4 Code	99	Fourth subunit operations code.
712-723	Document Number Quarter 1	9(12)	Number assigned to the document upon receipt in mailroom of IEIO and stamped on the form.
724-728	Number of Employees Quarter 1	9(5)	Average number of persons working during the quarter in this subunit.
729-736	Employee Hours Quarter 1	9(8)	Total employee hours worked during the quarter in this subunit.
737-746	Tons of Production Quarter 1	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
747-758	Document Number Quarter 2	9(12)	Number assigned to the document upon receipt in mailroom of IEIO and stamped on the form.

Figure 2.12-10

CONTRACTOR ADDRESS/EMPLOYMENT (Cont'd)

<u>POSITION</u>	<u>DATA ELEMENT</u>	<u>TYPE/ WIDTH</u>	<u>DESCRIPTION</u>
759-763	Number of Employees Quarter 2	9(5)	Average number of persons working during the quarter in this subunit.
764-771	Employee Hours Quarter 2	9(8)	Total employee hours worked during the quarter in this subunit.
772-781	Tons of Production Quarter 2	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
782-793	Document Number Quarter 3	9(12)	Number assigned to the document upon receipt in mailroom of IEIO and stamped on the form.
794-798	Number of Employees Quarter 3	9(5)	Average number of persons working during the quarter in this subunit.
799-806	Employee Hours Quarter 3	9(8)	Total employee hours worked during the quarter in this subunit.
807-816	Tons of Production Quarter 3	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
817-828	Document Number Quarter 4	9(12)	Number assigned to the document upon receipt in mailroom of IEIO and stamped on the form.
829-833	Number of Employees Quarter 4	9(5)	Average number of persons working during the quarter in this subunit.
834-841	Employee Hours Quarter 4	9(8)	Total employee hours worked during the quarter in this subunit.
842-851	Tons of Production Quarter 4	9(10)	Production of clean coal (short tons) during the quarter in this subunit.

Figure 2.12-11

CONTRACTOR ADDRESS/EMPLOYMENT (Cont'd)

Positions 852-993 of the record contains information about the fifth subunit where the contractor operated. Position 283 indicates the total number of subunits operating. This "subunit" area could be spaces if there were only four subunits where the contractor operated.

<u>POSITION</u>	<u>DATA ELEMENT</u>	<u>TYPE/ WIDTH</u>	<u>DESCRIPTION</u>
852-853	Subunit 5 Code	99	Fifth subunit operations code.
854-865	Document Number Quarter 1	9(12)	Number assigned to the document upon receipt in mailroom of IEIO and stamped on the form.
866-870	Number of Employees Quarter 1	9(5)	Average number of persons working during the quarter in this subunit.
871-878	Employee Hours Quarter 1	9(8)	Total employee hours worked during the quarter in this subunit.
879-888	Tons of Production Quarter 1	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
889-900	Document Number Quarter 2	9(12)	Number assigned to the document upon receipt in mailroom of IEIO and stamped on the form.
901-905	Number of Employees Quarter 2	9(5)	Average number of persons working during the quarter in this subunit.
906-913	Employee Hours Quarter 2	9(8)	Total employee hours worked during the quarter in this subunit.
914-923	Tons of Production Quarter 2	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
924-935	Document Number Quarter 3	9(12)	Number assigned to the document upon receipt in mailroom of IEIO and stamped on the form.

Figure 2.12-12

CONTRACTOR ADDRESS/EMPLOYMENT (Cont'd)

<u>POSITION</u>	<u>DATA ELEMENT</u>	<u>TYPE/ WIDTH</u>	<u>DESCRIPTION</u>
936-940	Number of Employees Quarter 3	9(5)	Average number of persons working during the quarter in this subunit.
941-948	Employee Hours Quarter 3	9(8)	Total employee hours worked during the quarter in this subunit.
949-958	Tons of Production Quarter 3	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
959-970	Document Number Quarter 4	9(12)	Number assigned to the document upon receipt in mailroom of IEIO and stamped on the form.
971-975	Number of Employees Quarter 4	9(5)	Average number of persons working during the quarter in this subunit.
976-983	Employee Hours Quarter 4	9(8)	Total employee hours worked during the quarter in this subunit.
984-993	Tons of Production Quarter 4	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
<p>Positions 994-1135 of the record contains information about the sixth subunit where the contractor operated. Position 283 indicates the total number of subunits operating. This "subunit" area could be spaces if there were five subunits where the contractor operated.</p>			
994-995	Subunit 6 Code	99	Sixth subunit operations code.
996-1007	Document Number Quarter 1	9(12)	Number assigned to the document upon receipt in mailroom of IEIO and stamped on the form.
1008-1012	Number of Employees Quarter 1	9(5)	Average number of persons working during the quarter in this subunit.

Figure 2.12-13

CONTRACTOR ADDRESS/EMPLOYMENT (Cont'd)

<u>POSITION</u>	<u>DATA ELEMENT</u>	<u>TYPE/ WIDTH</u>	<u>DESCRIPTION</u>
1013-1020	Employee Hours Quarter 1	9(8)	Total employee hours worked during the quarter in this subunit.
1021-1030	Tons of Production Quarter 1	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
1031-1042	Document Number Quarter 2	9(12)	Number assigned to the document upon receipt in mailroom of IEIO and stamped on the form.
1043-1047	Number of Employees Quarter 2	9(5)	Average number of persons working during the quarter in this subunit.
1048-1055	Employee Hours Quarter 2	9(8)	Total employee hours worked during the quarter in this subunit.
1056-1065	Tons of Production Quarter 2	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
1066-1077	Document Number Quarter 3	9(12)	Number assigned to the document upon receipt in mailroom of IEIO and stamped on the form.
1078-1082	Number of Employees Quarter 3	9(5)	Average number of persons working during the quarter in this subunit.
1083-1090	Employee Hours Quarter 3	9(8)	Total employee hours worked during the quarter in this subunit.
1091-1100	Tons of Production Quarter 3	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
1101-1112	Document Number Quarter 4	9(12)	Number assigned to the document upon receipt in mailroom of IEIO and stamped on the form.

Figure 2.12-14

CONTRACTOR ADDRESS/EMPLOYMENT (Cont'd)

<u>POSITION</u>	<u>DATA ELEMENT</u>	<u>TYPE/ WIDTH</u>	<u>DESCRIPTION</u>
1113-1117	Number of Employees Quarter 4	9(5)	Average number of persons working during the quarter in this subunit.
1118-1125	Employee Hours Quarter 4	9(8)	Total employee hours worked during the quarter in this subunit.
1126-1135	Tons of Production Quarter 4	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
<p>Positions 1136-1277 of the record contains information about the seventh subunit where the contractor operated. Position 283 indicates the total number of subunits operating. This "subunit" area could be spaces if there were six subunits where the contractor operated.</p>			
1136-1137	Subunit 7 Code	99	Seventh subunit operations code.
1138-1149	Document Number Quarter 1	9(12)	Number assigned to the document upon receipt in mailroom of IEIO and stamped on the form.
1150-1154	Number of Employees Quarter 1	9(5)	Average number of persons working during the quarter in this subunit.
1155-1162	Employee Hours Quarter 1	9(8)	Total employee hours worked during the quarter in this subunit.
1163-1172	Tons of Production Quarter 1	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
1173-1184	Document Number Quarter 2	9(12)	Number assigned to the document upon receipt in mailroom of IEIO and stamped on the form.
1185-1189	Number of Employees Quarter 2	9(5)	Average number of persons working during the quarter in this subunit.

Figure 2.12-15

CONTRACTOR ADDRESS/EMPLOYMENT (Cont'd)

<u>POSITION</u>	<u>DATA ELEMENT</u>	<u>TYPE/ WIDTH</u>	<u>DESCRIPTION</u>
1190-1197	Employee Hours Quarter 2	9(8)	Total employee hours worked during the quarter in this subunit.
1198-1207	Tons of Production Quarter 2	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
1208-1219	Document Number Quarter 3	9(12)	Number assigned to the document upon receipt in mailroom of IEIO and stamped on the form.
1220-1224	Number of Employees Quarter 3	9(5)	Average number of persons working during the quarter in this subunit.
1225-1232	Employee Hours Quarter 3	9(8)	Total employee hours worked during the quarter in this subunit.
1233-1242	Tons of Production Quarter 3	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
1243-1254	Document Number Quarter 4	9(12)	Number assigned to the document upon receipt in mailroom of IEIO and stamped on the form.
1255-1259	Number of Employees Quarter 4	9(5)	Average number of persons working during the quarter in this subunit.
1260-1267	Employee Hours Quarter 4	9(8)	Total employee hours worked during the quarter in this subunit.
1268-1277	Tons of Production Quarter 4	9(10)	Production of clean coal (short tons) during the quarter in this subunit.

Figure 2.12-16

CONTRACTOR ADDRESS/EMPLOYMENT (Cont'd)

Positions 1278-1419 of the record contains information about the eighth subunit where the contractor operated. Position 283 indicates the total number of subunits operating. This "subunit" area could be spaces if there were seven subunits where the contractor operated.

<u>POSITION</u>	<u>DATA ELEMENT</u>	<u>TYPE/ WIDTH</u>	<u>DESCRIPTION</u>
1278-1279	Subunit 8 Code	99	Eighth subunit operations code.
1280-1291	Document Number Quarter 1	9(12)	Number assigned to the document upon receipt in mailroom of IEIO and stamped on the form.
1292-1296	Number of Employees Quarter 1	9(5)	Average number of persons working during the quarter in this subunit.
1297-1304	Employee Hours Quarter 1	9(8)	Total employee hours worked during the quarter in this subunit.
1305-1314	Tons of Production Quarter 1	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
1315-1326	Document Number Quarter 2	9(12)	Number assigned to the document upon receipt in mailroom of IEIO and stamped on the form.
1327-1331	Number of Employees Quarter 2	9(5)	Average number of persons working during the quarter in this subunit.
1332-1339	Employee Hours Quarter 2	9(8)	Total employee hours worked during the quarter in this subunit.
1340-1349	Tons of Production Quarter 2	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
1350-1361	Document Number Quarter 3	9(12)	Number assigned to the document upon receipt in mailroom of IEIO and stamped on the form.

Figure 2.12-17

CONTRACTOR ADDRESS/EMPLOYMENT (Cont'd)

<u>POSITION</u>	<u>DATA ELEMENT</u>	<u>TYPE/ WIDTH</u>	<u>DESCRIPTION</u>
1362-1366	Number of Employees Quarter 3	9(5)	Average number of persons working during the quarter in this subunit.
1367-1374	Employee Hours Quarter 3	9(8)	Total employee hours worked during the quarter in this subunit.
1375-1384	Tons of Production Quarter 3	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
1385-1396	Document Number Quarter 4	9(12)	Number assigned to the document upon receipt in mailroom of IEIO and stamped on the form.
1397-1401	Number of Employees Quarter 4	9(5)	Average number of persons working during the quarter in this subunit.
1402-1409	Employee Hours Quarter 4	9(8)	Total employee hours worked during the quarter in this subunit.
1410-1419	Tons of Production Quarter 4	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
<p>Positions 1420-1561 of the record contains information about the ninth subunit where the contractor operated. Position 283 indicates the total number of subunits operating. This "subunit" area could be spaces if there were eight subunits where the contractor operated.</p>			
1420-1421	Subunit 9 Code	99	Ninth subunit operations code.
1422-1433	Document Number Quarter 1	9(12)	Number assigned to the document upon receipt in mailroom of IEIO and stamped on the form.
1434-1438	Number of Employees Quarter 1	9(5)	Average number of persons working during the quarter in this subunit.

Figure 2.12-18

CONTRACTOR ADDRESS/EMPLOYMENT (Cont'd)

<u>POSITION</u>	<u>DATA ELEMENT</u>	<u>TYPE/ WIDTH</u>	<u>DESCRIPTION</u>
1439-1446	Employee Hours Quarter 1	9(8)	Total employee hours worked during the quarter in this subunit.
1447-1456	Tons of Production Quarter 1	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
1457-1468	Document Number Quarter 2	9(12)	Number assigned to the document upon receipt in mailroom of IEIO and stamped on the form.
1469-1473	Number of Employees Quarter 2	9(5)	Average number of persons working during the quarter in this subunit.
1474-1481	Employee Hours Quarter 2	9(8)	Total employee hours worked during the quarter in this subunit.
1482-1491	Tons of Production Quarter 2	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
1492-1503	Document Number Quarter 3	9(12)	Number assigned to the document upon receipt in mailroom of IEIO and stamped on the form.
1504-1508	Number of Employees Quarter 3	9(5)	Average number of persons working during the quarter in this subunit.
1509-1516	Employee Hours Quarter 3	9(8)	Total employee hours worked during the quarter in this subunit.
1517-1526	Tons of Production Quarter 3	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
1527-1538	Document Number Quarter 4	9(12)	Number assigned to the document upon receipt in mailroom of IEIO and stamped on the form.

Figure 2.12-19

CONTRACTOR ADDRESS/EMPLOYMENT (Cont'd)

<u>POSITION</u>	<u>DATA ELEMENT</u>	<u>TYPE/ WIDTH</u>	<u>DESCRIPTION</u>
1539-1543	Number of Employees Quarter 4	9(5)	Average number of persons working during the quarter in this subunit.
1544-1551	Employee Hours Quarter 4	9(8)	Total employee hours worked during the quarter in this subunit.
1552-1561	Tons of Production Quarter 4	9(10)	Production of clean coal (short tons) during the quarter in this subunit.
1562-1586	Filler	X(25)	

Figure 2.12-20



U.S. Department of Labor
Mine Safety and Health Administration

**Quarterly Mine Employment
and Coal Production Report**

Do Not Write in This Space

O.M.B. Number 1219-0006; Approval Expires July 31, 1988.

This report is required by law (30 U.S.C. § 813; 30 C.F.R. Part 50). Failure to report can result in the institution of a civil action for relief under 30 U.S.C. § 818 respecting an operator of a coal or other mine, and assessment of a civil penalty against an operator of a coal or other mine under 30 U.S.C. § 820(a). An individual who, being subject to the Federal Mine Safety and Health Act of 1977 (30 U.S.C. § 801 *et seq.*) knowingly makes a false statement in any report can be punished by a fine of not more than \$10,000 or by imprisonment for not more than 5 years, or both, under 30 U.S.C. § 820(f). Any individual who knowingly and willfully makes any false, fictitious, or fraudulent statements, conceals a material fact, or makes a false, fictitious, or fraudulent entry, with respect to any matter within the jurisdiction of any agency of the United States can be punished by a fine of not more than \$10,000, or imprisoned for not more than 5 years, or both, under 18 U.S.C. § 1001.

Important:

This form must be completed and mailed within 15 days after the end of each calendar quarter.

1. Fill out this form as completely as possible and return the first sheet of this report to:
2. If it is necessary to make any address changes, indicate corrected information on this form.
3. Do not use for any other operation.
4. **Sand and Gravel** operators report employment data under code 03 or 06 as appropriate, except for data on office workers which should be reported under code 99.
5. All mine operators and independent contractors reporting as required by 30 C.F.R., Part 50, should show persons working and employee-hours worked; those producing coal show also production data.
6. **Independent Contractors** should complete quarterly only one form for activities at all coal locations, and one form for activities at all metal and nonmetal locations.

MSHA, Health and Safety Analysis Center
P.O. Box 25367
Denver, Colorado 80225

Date Report Completed
Mo. Day Yr.
For Quarter

1. Persons Working, Employee-Hours, and Coal Production

(1) Operation Sub Unit Code(s) previously reported:	Code	(2) Average number of persons working during quarter	(3) Total employee-hours worked during the quarter	(4) Production of clean coal during quarter, (short tons)
Underground Mine	01			
Surface Shops, Yards, Etc.	02			
Surface Mine (including shops and yards)	03			
Auger (Coal Mine Only)	04			
Culm Bank or Refuse Pile (Coal Mine Only)	05			
Dredge	06			
Other Surface Mining (Metal/Nonmetal Only)	12			
Independent Shops or Yards	17			
Mill Operations, Preparation Plant, or Breaker (include associated shops and yards)	30			
Office (professional and clerical workers at the mine or plant)	99			

2. Other Reportable Data

How many MSHA reportable injuries or illnesses did you have this quarter?

Name _____ Title _____
Phone (incl. Area Code) _____

Person to be contacted regarding this report

MSHA Form 7000-2, May 85 (Revised)

Check here if this report is being submitted by a contractor
If Any Information Below is Incorrect Please Enter Correct Information Here:

County _____
Operation Name _____
Operating Company Name and Mailing Address _____
MSHA ID Number _____ Contractor ID _____
County: _____

Operation Name

Operating Company Name and Address

Return to MSHA

Figure 2.13

SECTION 3. ACCIDENT/INJURY FILES

3.1 Mine Accident/Injury Files

Accident/Injury files are a fixed length of 255 characters and the data is written sequentially in order by the first 28 characters in each record. The first 28 characters generate a unique key within the files. Diskette files may contain apparent duplicates due to the use of constant filler in character positions 25-28.

3.2 MSHA Form 7000-1

Accidents and injuries are reported on MSHA Form 7000-1 (Figure 3.1). Information which is coded by IEIO is described in Attachment 1 (Section 8 of the Coding Manual).

3.3 Data Limitations

Section B of the 7000-1 (characters 158-159 MSHA Accident Code) is coded 13 by IEIO when not completed by the respondent. This section should not be completed by the respondent unless it meets the requirements stated in 30 CFR Part 50.1.

Section C, item 5 determines the subunit. When the subunit is 01 (underground), item 5b (characters 40-41) must be coded; if not completed, 07 is used. Item 5c (characters 42-43) is 00 unless completed by the respondent.

3.4 Coding Manual - Handbook References

The following are the references in the coding manual (attachment 1) and the character positions of the accident/injury file to the item designation on the 7000-1 form.

<u>7000-1 NUMBER</u>	<u>FILE POSITIONS</u>	<u>CODING MANUAL REFERENCE</u>
1	206 - 207	None
2	Not entered	
3	208 - 215	8.10
4	Not Entered	
5a	15 - 16	
5b/c		None

<u>7000-1 NUMBER</u>	<u>FILE POSITIONS</u>	<u>CODING MANUAL REFERENCE</u>
6	17 - 20	None
7	21 - 24	8.10
8		8.10
9	(See Section 4 of This Manual)	
10	50 - 55	8.2/8.3
11	Not Entered	
12	93 - 95	None
13	Not Used	
14	128	
15	Not Provided	
16	Not Provided	None
17	151 - 153	8.13
18	Not Entered	
19	Not Entered	
20	162 - 164	8.6
21	165 - 167	8.7
22	168 - 170	8.8
23	171 - 172	8.13
24	159 - 161	8.9
25	147 - 150	8.10
26	143 - 146	8.10
27	139 - 142	8.10
28	185	None
29	186 - 193	8.10
30	177 - 180	8.13
31	181 - 184	8.5
Degree	171 - 172	8.5
Accident Type	91 - 92	8.11
Accident Classification	89 - 90	8.12
Scheduled Charge	173 - 176	8.14

3.5 Information Used From Address/Employment File

Characters 30-45 are obtained from the Address/Employment File for the mine reporting an injury; also the subunit in which the injury occurred must be present in the employment subunit area of the Address/Employment File. This applies to both mine accident/injury records and also contractor accident/injury records. See figure 2.1, 2.3, 2.5-2.10.

3.6 Limitation on File Content

3.6.1 Congressional Removal

Information on the 1982 Metal/Nonmetal file is considered incomplete relative to other years data for those operations exempted from MSHA jurisdiction under H.J. Resolution 370 consisting primarily of surface stone and sand and gravel operations.

3.6.2 Return to Duty Information

Information from section D of the Form 7000-1 may be incomplete for files which are not "closed-out". Injuries coded as 03 degree and zeros in characters 173-184 in a file means MSHA has not received return to duty information. "Closed-out" files imply that all degree 01-05 injuries will contain non-zero information in at least one of the three data elements designated.

Mine Accident, Injury and Illness Report

U.S. Department of Labor

Mine Safety and Health Administration



Section A—Identification Data		Approved For Use Through 12/31/90 OMB Number 1219-0007	
MSHA ID Number	Contractor ID	Report Category	<input type="checkbox"/> Check here if report pertains to contractor.
		<input type="checkbox"/> Metal/Nonmetal Mining	<input type="checkbox"/> Coal Mining
Mine Name		Company Name	
Section B—Complete for Each Reportable Accident Immediately Reported to MSHA			
1. Accident Code (circle applicable code — see instructions)		01 — Death	02 — Serious Injury
04 — Inundation		05 — Gas or Dust Ignition	06 — Mine Fire
09 — Outburst		10 — Impounding Dam	11 — Hoisting
		12 — Offsite Injury	03 — Entrapment
		07 — Explosives	08 — Roof Fall
2. Name of Investigator		3. Date Investigation Started	
		Month	Day
		Year	
		4. Steps Taken to Prevent Recurrence of Accident	
Section C—Complete for Each Reportable Accident, Injury or Illness			
5. Circle the Codes Which Best Describe Where Accident/Injury/Illness Occurred (see instructions)			
(a) Surface Location: 02 Surface at Underground Mine 30 Mill, Preparation Plant, etc. 03 Strip/Open Pit Mine 04 Surface Auger Operation			
05 Cullm Bank/Refuse Pile 06 Dredge Mining 12 Other Surface Mining 17 Independent Shops (with own MSHA ID) 99 Office Facilities			
(b) Underground Location: 01 Vertical Shaft 02 Slope/Inclined Shaft 03 Face 04 Intersection 05 Underground Shop/Office 06 Other			
(c) Underground Mining Method: 01 Longwall 02 Shortwall 03 Conventional Stopping 05 Continuous Mining 06 Hand 07 Caving 08 Other			
6. Date of Accident		7. Time of Accident	
Month	Day	Year	<input type="checkbox"/> am
			<input type="checkbox"/> pm
		8. Time Shift Started	
		<input type="checkbox"/> am	<input type="checkbox"/> pm
9. Describe Fully the Conditions Contributing to the Accident/Injury/Illness, and Quantify the Damage or Impairment			
10. Equipment Involved		Type	Manufacturer
			Model Number
11. Name of Witness to Accident/Injury/Illness		12. Number of Reportable Injuries or Illnesses Resulting from This Occurrence	
13. Name of Injured/III Employee		14. Sex	
		<input type="checkbox"/> Male	
		<input type="checkbox"/> Female	
		15. Date of Birth	
		Month	Day
		Year	
16. Last Four Digits of Social Security Number		17. Regular Job Title	
		<input type="checkbox"/> 18. Check if this Injury/Illness resulted in death.	
		<input type="checkbox"/> 19. Check if Injury/Illness resulted in permanent disability (include amputation, loss of use, & permanent total disability).	
20. What Directly Inflicted Injury or Illness?		21. Nature of Injury or Illness	
22. Part of Body Injured or Affected		23. Occupational Illness (circle applicable code—see instructions)	
		21 Occupational Skin Diseases	
		22 Dust Diseases of the Lungs 23 Respiratory Conditions (toxic agents) 24 Poisoning (toxic materials)	
		25 Disorders (physical agents) 26 Disorders (repeated trauma) 29 Other	
24. Employee's Work Activity When Injury or Illness Occurred		Experience	Years
		Weeks	
		25. Experience in This Job Title	
		26. Experience at This Mine	
		27. Total Mining Experience	
Section D—Return to Duty Information		<i>Answer 30 & 31 when case is closed</i>	
<input type="checkbox"/> 28. Permanently Transferred or Terminated (if checked, complete items 29, 30, & 31)		29. Date Returned to Regular Job at Full Capacity (or item 28)	
		Month	Day
		Year	
		30. Number of Days Away from Work (if none, enter 0)	
		31. Number of Days Restricted Work Activity (if none, enter 0)	
Person Completing Form (name)		Title	
Date This Report Prepared (month, day, year)		Area Code and Phone Number	
MSHA Form 7000-1, July 91 (Revised)			

For Official Use Only

Degree _____

Accident Type _____

Accident Class _____

Scheduled Charge _____

Keyword _____

Figure 3.2-0

Figure 3.1

MINE ACCIDENT/INJURY

The first record on this file is always an informational record containing the year of the data and the type of data along with other miscellaneous data. The following is a detail description of this first record:

<u>POSITION</u>	<u>DATA ELEMENT</u>	<u>TYPE/ WIDTH</u>	<u>DESCRIPTION</u>
1-28	Constant	X(28)	Value of 0000001 followed by spaces.
29-42	Type of File	X(14)	Value of COAL or METAL/NONMETAL.
43-46	Year of File	9(4)	Year of the data.
47-49	Cycle Number	9(3)	Update cycle number.
50-57	Update Date	9(8)	Date of last update.
58-255	Filler	X(198)	

The following is a detail description of the mine accident/injury records that follow the informational record:

<u>POSITION</u>	<u>DATA ELEMENT</u>	<u>TYPE/ WIDTH</u>	<u>DESCRIPTION</u>
1-7	Mine ID	9(7)	MSHA Mine ID number where accident occurred or illness was contracted; reference Form 7000-1, Section A.
8-14	Contractor	X(7)	Reported on Form 7000-1, Section A. Blank if mine owner.
15-16	Subunit	99	Subunit operations code. Circled on Form 7000-1, Section C under 5(a). If under 5(b), 01 is entered.
17-18	Month of Accident	99	Month code for the month of the accident. Form 7000-1, Item 6.

Figure 3.2-1

MINE ACCIDENT/INJURY (Cont'd)

<u>POSITION</u>	<u>DATA ELEMENT</u>	<u>TYPE/ WIDTH</u>	<u>DESCRIPTION</u>
19-20	Day of Accident	99	Day of month of the accident. Form 7000-1, Item 6.
21-24	Time of Accident	9(4)	Time of accident - 2400 military time. Form 7000-1, Item 7.
25-29	Filler	9(5)	
30-33	Inspection Office	9(4)	Code for MSHA Field office exercising jurisdiction over this mining operation.
34-35	State Code	99	FIPS code for state in which mine is located.
36-38	County Code	9(3)	FIPS code for county within a state in which mine is located.
39-43	SIC	9(5)	Standard Industrial Code for primary commodity mined.
44	Filler	9	
45	Canvass of Class	9	Designates a general product class based on SIC code.
46-47	Underground Location	99	Code for underground mining location. Form 7000-1, Item 5(b).
48-49	Underground Mining Method	99	Code for underground mining method. Form 7000-1, Item 5(c).
50-52	Trade Name of Equipment	9(3)	Code for manufacturer of equipment involved in this accident. Form 7000-1, Item 10 - Mfg.
53	Filler	9	

Figure 3.2-2

MINE ACCIDENT/INJURY (Cont'd)

<u>POSITION</u>	<u>DATA ELEMENT</u>	<u>TYPE/ WIDTH</u>	<u>DESCRIPTION</u>
54-55	Mining Machine	99	Code for type of mining machine involved in this accident. Form 7000-1, Item 10 - Type.
56-59	Filler	9(4)	
60-70	Equipment Model Number	X(11)	Equipment model number as reported on Form 7000-1, Item 10 - Model Number.
71-84	Filler	X(14)	
85-88	Shift Time	9(4)	Time shift started. Form 7000-1, Item 8. 2400 military time.
89-90	Accident/Injury/ Illness	99	Classification of accident or illness. Coded from narrative and Item 23 on Form 7000-1.
91-92	Accident Type	99	Coded from information on form.
93-95	Injuries Reported	9(3)	Number of reportable injuries or illnesses resulting from this accident. Coded from information on Form 7000-1, Item 12.
96-107	Document Number	9(12)	Internal control number stamped on document.
108-127	Filler	X(20)	
128	Sex	9	Code for sex of person injured. 1 = male; 2 = female.
129-136	Filler	9(8)	
137-138	Age	99	Generated from birthdate.

Figure 3.2-3

MINE ACCIDENT/INJURY (Cont'd)

<u>POSITION</u>	<u>DATA ELEMENT</u>	<u>TYPE/ WIDTH</u>	<u>DESCRIPTION</u>
139-142	Total Mine Experience	9(4)	Total mining experience of person in years and weeks. Form 7000-1, Item 27.
143-146	Total Experience This Mine	9(4)	Total Experience at this mine of person injured in years and weeks. Form 7000-1, Item 26.
147-150	Regular Job Experience	9(4)	Work experience of regular job title in years and weeks. Form 7000-1, Item 25.
151-153	Regular Job Title (Occupation)	9(3)	Occupation code for regular job title. Form 7000-1, Item 17.
154-158	Filler	9(5)	
159-161	Mine Worker Activity	9(3)	Specific activity at time of injury. Form 7000-1, Item 24.
162-164	Source of Injury	9(3)	Coded from information on form. Form 7000-1, Item 20.
165-167	Nature of Injury	9(3)	Coded from information on form. Form 7000-1, Item 21.
168-170	Part of Body	9(3)	Coded from information on form. Form 7000-1, Item 22.
171-172	Degree of Injury	99	Code for degree of injury from Items 18, 19, 30 and 31 on Form 7000-1.
173-176	Days Away From Work	9(4)	Statutory days lost.
177-180	Restricted Work Activity	9(4)	Days of restricted work activity from this accident or illness. Form 7000-1, Item 31.

Figure 3.2-4

MINE ACCIDENT/INJURY (Cont'd)

<u>POSITION</u>	<u>DATA ELEMENT</u>	<u>TYPE/ WIDTH</u>	<u>DESCRIPTION</u>
181-184	Days Lost From Work	9(4)	Actual days lost from work. Form 7000-1, Item 30.
185	Permanently Transferred or Terminated	9	Code for permanently transferred or terminated; 1 = yes; 2 = no. Form 7000-1, Item 28.
186-193	Date Returned to Work	9(8)	Date returned to work in YYYYMMDD format. Form 7000-1, Item 29.
194-205	Close Case Injury Document Number	9(12)	Document number for report of injured person returning to work. Assigned IEIO control number stamped on document.
206-207	MSHA Accident Code	99	MSHA accident code from Item 1 on Form 7000-1.
208-215	Date Investigation Started	9(8)	Date MSHA investigation started in YYYYMMDD format. Form 7000-1, Item 2.
216-219	Update Addition Year	9(4)	Update addition cycle year.
220-222	Update Addition Number	9(3)	Update addition cycle number.
223-226	Update Change Year	9(4)	Update change cycle year.
227-229	Update Change Number	9(3)	Update change cycle number.
230-255	Filler	X(26)	

Figure 3.2-5

CONTRACTOR ACCIDENT/INJURY

The first record on this file is always an informational record containing the year of the data and the type of data along with other miscellaneous data. The following is a detail description of this first record:

<u>POSITION</u>	<u>DATA ELEMENT</u>	<u>TYPE/ WIDTH</u>	<u>DESCRIPTION</u>
1-28	Constant	X(28)	Value of spaces.
29-42	Type of File	X(14)	Value of COAL CONTR or MNM CONTR.
43-46	Year of File	9(4)	Year of the data.
47-49	Cycle Number	9(3)	Update cycle number.
50-57	Update Date	9(8)	Date of last update.
58-255	Filler	X(198)	

The following is a detail description of the contractor accident/injury records that follow the informational record:

<u>POSITION</u>	<u>DATA ELEMENTS</u>	<u>TYPE/ WIDTH</u>	<u>DESCRIPTION</u>
1-7	Contractor	X(7)	Reported in Section A of Form 7000-1. Contractor reporting injury, accident, or illness.
8-14	Mine ID	9(7)	MSHA Mine ID number where accident occurred or illness was contracted reported in Section A of Form 7000-1.
15-16	Subunit	99	Subunit operations code. Circled on Form 7000-1, Section C under 5(a). If under 5(b), 01 is entered.
17-18	Month of Accident	99	Month code for the month of the accident. Form 7000-1, Item 6.

Figure 3.3-1

CONTRACTOR ACCIDENT/INJURY (Cont'd)

<u>POSITION</u>	<u>DATA ELEMENTS</u>	<u>TYPE/ WIDTH</u>	<u>DESCRIPTION</u>
19-20	Day of Accident	99	Day of month of the accident. Form 7000-1, Item 6.
21-24	Time of Accident	9(4)	Time of accident - 2400 military time. Form 7000-1, Item 7.
25-29	Filler	9(5)	
30-33	Inspection Office	9(4)	Code for MSHA Field office exercising jurisdiction over the mining operation where the accident/injury occurred.
34-35	State Code	99	FIPS code for state in which the mine where the accident/injury occurred is located.
36-38	County Code	9(3)	FIPS code for county within a state in which the mine where the accident/injury occurred is located.
39-43	SIC	9(5)	Standard Industrial Code for primary commodity mined where the accident/injury occurred.
44	Filler	9	
45	Canvass or Class	9	Designates a general product class based on SIC code.
46-47	Underground Location	99	Code for underground location. Form 7000-1, Item 5(b).
48-49	Underground Mining Method	99	Code for underground mining method. Form 7000-1, Item 5(c).
50-52	Trade Name of Equipment	9(3)	Code for manufacturer of equipment involved in this accident. Form 7000-1, Item 10 - Mfg.

Figure 3.3-2

CONTRACTOR ACCIDENT/INJURY (Cont'd)

<u>POSITION</u>	<u>DATA ELEMENTS</u>	<u>TYPE/ WIDTH</u>	<u>DESCRIPTION</u>
53	Filler	9	
54-55	Mining Machine	99	
56-59	Filler	9(4)	Code for type of mining machine involved in this accident. Form 7000-1, Item 10 - Type.
60-70	Equipment Model Number	X(11)	Equipment model number as reported reported on Form 7000-1, Item 10 - Model Number.
71-84	Filler	X(14)	
85-88	Shift Time	9(4)	Time shift started. Form 7000-1, Item 8. 2400 military time.
89-90	Accident/Injury/ Illness	99	Classification accident and illness code. Coded from narrative and Item 23 on Form 7000-1.
91-92	Accident Type	99	Coded from information on form.
93-95	Injuries Reported	9(3)	Number of reportable injuries or illnesses resulting from this accident. Coded from information on form. Form 7000-1, Item 12.
96-107	Document Number	9(12)	Internal control number stamped on document.
108-127	Filler	X(20)	
128	Sex	9	Code for sex of person injured. 1 = male; 2 = female.
129-136	Filler	9(8)	
137-138	Age	99	Generated from birthdate.

Figure 3.3-3

CONTRACTOR ACCIDENT/INJURY (Cont'd)

<u>POSITION</u>	<u>DATA ELEMENTS</u>	<u>TYPE/ WIDTH</u>	<u>DESCRIPTION</u>
139-142	Total Mine Experience	9(4)	Total mining experience of person injured in years and weeks. Reported on Form 7000-1, Item 27.
143-146	Total Experience This Mine	9(4)	Total experience at this mine of the person injured in years and weeks. Form 7000-1, Item 26.
147-150	Regular Job Experience	9(4)	Work experience of regular job title in years and weeks. Form 7000-1, Item 25.
151-153	Regular Job Title (Occupation)	9(3)	Occupation code for regular job title. Form 7000-1, Item 17.
154-158	Filler	9(5)	
159-161	Mine Worker Activity	9(3)	Specific activity at time of injury. Form 7000-1, Item 24.
162-164	Source of Injury	9(3)	Coded from information on form. Form 7000-1, Item 20.
165-167	Nature of Injury	9(3)	Coded from information on form. Form 7000-1, Item 21.
168-170	Part of Body	9(3)	Coded from information on form. Form 7000-1, Item 22.
171-172	Degree of Injury	99	Code for degree of injury from Items 18, 19, 30 and 31 on Form 7000-1.
173-176	Days Away From Work	9(4)	Statutory days lost.
177-180	Restricted Work Activity	9(4)	Days of restricted work activity from this accident or illness. Form 7000-1, Item 31.

Figure 3.3-4

CONTRACTOR ACCIDENT/INJURY (Cont'd)

<u>POSITION</u>	<u>DATA ELEMENTS</u>	<u>TYPE/ WIDTH</u>	<u>DESCRIPTION</u>
181-184	Days Lost From Work	9(4)	Actual days lost from work. Form 7000-1, Item 30.
185	Permanently Transferred or Terminated	9	Code for permanently transferred or terminated; 1 - yes; 2 = no. Form 7000-1, Item 28.
186-193	Date Returned to Work	9(8)	Date returned to work in YYYYMMDD format. Form 7000-1, Item 29.
194-205	Close Case Injury Document Number	9(12)	Document number for report of injured person returning to work. Assigned IEIO control number stamped on document.
206-207	MSHA Accident Code	99	MSHA accident code from Item 1 on Form 7000-1.
208-215	Date Investigation Started	9(8)	Date MSHA investigation started in YYYYMMDD format. Form 7000-1, Item 2.
216-219	Update Addition Year	9(4)	Update addition cycle year.
220-222	Update Addition Number	9(3)	Update addition cycle number.
223-226	Update Change Year	9(4)	Update change cycle year.
227-229	Update Change Number	9(3)	Update change cycle number.
230-255	Filler	X(26)	

Figure 3.3-5

SECTION 4. NARRATIVE FILES

4.1 General

Narrative information is from item 9 of the 7000-1 (accident, injury and illness) form. This narrative is not proofed for entry/respondent accuracy.

4.2 Narrative Files

Narrative files are fixed length records of 402 characters. The data is written sequentially in document number order. The unique document number is assigned by IEIO to each Accident/Injury form received (characters 96-107 of the accident/injury record) and is the key within a narrative file.

4.3 Limitations

Not all Accidents/Injuries will have narrative and there may be some narratives on file which cannot be matched to an accident/injury.

NARRATIVE

The first record on this file is always an informational record containing the year of the data and the type of data along with other miscellaneous data. The following is a detail description of this first record:

<u>POSITION</u>	<u>DATA ELEMENT</u>	<u>TYPE/ WIDTH</u>	<u>DESCRIPTION</u>
1-17	Constant	X(17)	Value of 000000001 and spaces.
18	Filler	9	
19-32	Type of File	X(14)	Value of COAL, COAL CONTR, METAL/NONMETAL, or MNM CONTR.
33-36	Year of File	9(4)	Year of the data.
37-39	Cycle Number	9(3)	Update cycle number.
40-47	Update Date	9(8)	Date of last update.
48-402	Filler	X(355)	

The following is a detail description of the narrative records that follow the informational record:

<u>POSITION</u>	<u>DATA ELEMENTS</u>	<u>TYPE/ WIDTH</u>	<u>DESCRIPTION</u>
1-12	Document Number	9(12)	Document number stamped on injury form and assigned by IEIO.
13	M/NM or Coal Indicator	X	This item will contain a "C" for Coal or a "M" for M/NM.
14	Completion Code	9	A "1" in this item indicates the narrative entered into the computer was completely entered. A "2" indicates the entire narrative could not be entered because of the size. A "3" indicates that there was not a narrative written on the injury report.

Figure 4.1-1

NARRATIVE (Cont'd)

<u>POSITION</u>	<u>DATA ELEMENTS</u>	<u>TYPE/ WIDTH</u>	<u>DESCRIPTION</u>
15-17	Narrative Character Count	9(3)	Indicates the total number of characters required on the record for the narrative description.
18	Number of Narrative Descriptions	9	This count indicates the number of forty-eight character descriptions in the record. Values can range from 0 to 8.
19-66	Narrative Description 1	X(48)	First forty-eight characters of narrative description.
67-114	Narrative Description 2	X(48)	Second forty-eight characters of narrative description.
115-162	Narrative Description 3	X(48)	Third forty-eight characters of narrative description.
163-210	Narrative Description 4	X(48)	Fourth forty-eight characters of narrative description.
211-258	Narrative Description 5	X(48)	Fifth forty-eight characters of narrative description.
259-306	Narrative Description 6	X(48)	Sixth forty-eight characters of narrative description.
307-354	Narrative Description 7	X(48)	Seventh forty-eight characters of narrative description.
355-402	Narrative Description 8	X(48)	Eighth forty-eight characters of narrative description.

Figure 4.1-2

SECTION 5. MASTER INDEX FILE (MIF)

5.1 General

Mine IDs issued by IEIO are not reused. The current information regarding mine IDs issued since 1971 are contained on this file. Prior to 1971, mine IDs were different from the current seven characters. Data files are provided from the current file.

5.2 Master Index File (MIF)

The Master Index File (MIF) has a fixed record length of 176. The data is written sequentially in mine id order.

5.3 Updating

This file is updated monthly from address transactions and by special transactions for MIF only. Special mass changes such as status codes will always be reflected on this file.

5.4 Limitations

5.4.1 SIC Codes

Primary SIC Codes will always be present. Secondary SIC Codes are provided at the discretion of the appropriate District or Subdistrict office.

5.4.2 Latitude/Longitude

Latitude/longitude is provided, when available, by the district office when a new mine ID is obtained. The latitude/longitude may be provided at a later date.

5.5 County Codes

County codes are as described in Federal Information Processing Standards Publication 6.

MASTER INDEX FILE (MIF)

The first record on this file is always an informational record containing the year of the data and the type of data along with other miscellaneous data. The following is a detail description of this first record:

<u>POSITION</u>	<u>DATA ELEMENT</u>	<u>TYPE/ WIDTH</u>	<u>DESCRIPTION</u>
1-7	Constant	X(7)	Value of 0000000.
8-10	Type of File	X(3)	Value of MIF.
11-14	Cycle Number	9(4)	Update cycle number.
15-20	Update Date	9(8)	Date of last update.
21-176	Filler	X(154)	

The following is a detail description of the MIF records that follow the informational record:

<u>POSITION</u>	<u>DATA ELEMENT</u>	<u>TYPE/ WIDTH</u>	<u>DESCRIPTION</u>
1-7	Mine ID	9(7)	MSHA Mine ID assigned to a mining operation.
8-32	Company Name	X(25)	Company owning or having primary responsibility for the operation of this entity.
33-55	Filler	X(23)	
56-75	Entity Name	X(20)	Name applied to this entity by the company.
76-103	Filler	X(28)	
104-105	State Code	99	FIPS code for state in which mine is located.
106-108	County Code	9(3)	FIPS code for county within a state in which mine is located.

Figure 5.1-1

MASTER INDEX FILE (MIF) (Cont'd)

<u>POSITION</u>	<u>DATA ELEMENT</u>	<u>TYPE/ WIDTH</u>	<u>DESCRIPTION</u>
109-113	Primary Standard Industrial Code (SIC)	9(5)	Primary SIC for commodities mined.
114	Filler	X	
115-119	Secondary SIC 1	9(5)	First secondary SIC for commodities mined.
120	Filler	X	
121-125	Secondary SIC 2	9(5)	Second secondary SIC for commodities mined.
126	Filler	X	
127-131	Secondary SIC 3	9(5)	Third secondary SIC for commodities mined.
132	Filler	X	
133-137	Secondary SIC 4	9(5)	Fourth secondary SIC for commodities mined.
138	Filler	X	
139-143	Secondary SIC 5	9(5)	Fifth secondary SIC for commodities mined.
144	Filler	X	
145	Operation Class	9	Classification codes of the operation are as follows: 1 - Coal mining 2 - Non-coal mining 3 - Non-mining
146-147	Filler	XX	Spaces.

Figure 5.1-2

MASTER INDEX FILE (MIF) (Cont'd)

<u>POSITION</u>	<u>DATA ELEMENT</u>	<u>TYPE/ WIDTH</u>	<u>DESCRIPTION</u>
148	Status Code	X	Code of status of operation of mine active to permanently closed). Coal - A through H. Non-coal 1, 2, 3, and 4.
149-156	Status Date	9(8)	Date of latest add or change of status. MMDDYY
157-162	Latitude		Latitude location of the operation in degrees, minutes and seconds.
	Degree	99	
	Minutes	99	
	Seconds	99	
163	Filler	X	Space.
164-170	Longitude		Longitude location of the operations in degrees, minutes and seconds.
	Degree	9(3)	
	Minutes	99	
	Seconds	99	
171	Filler	X	Space.
172	Number of Shops	9	Number of central shops associated with this operation.
173	Number of Plants	9	Number of preparation plants associated with this operation.
174-176	Number of Pits	9(3)	Number of pits associated with this operation.

Figure 5.1-3